

000000000000000000000000

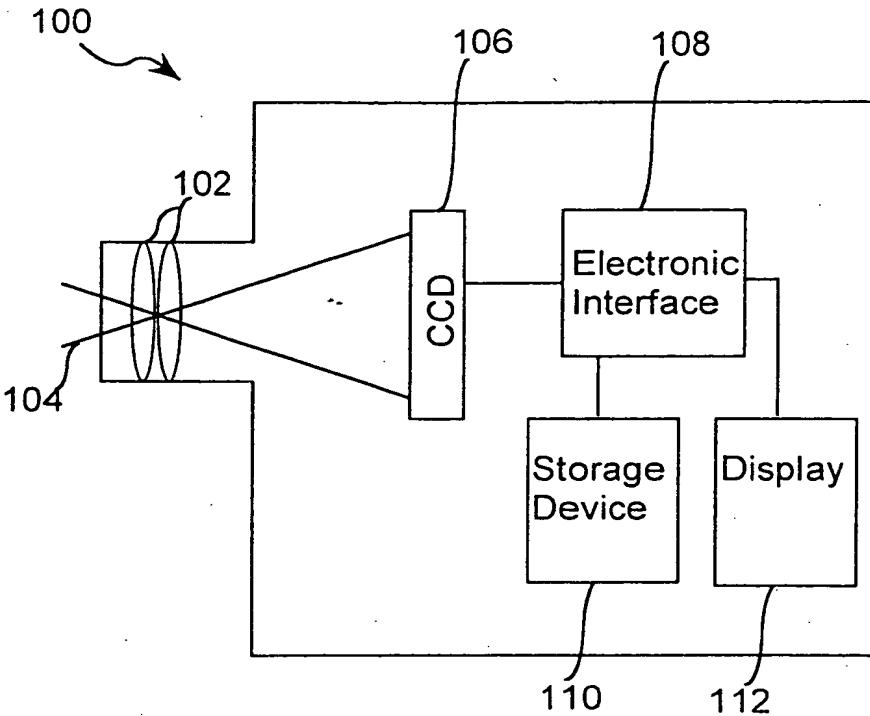


FIG. 1

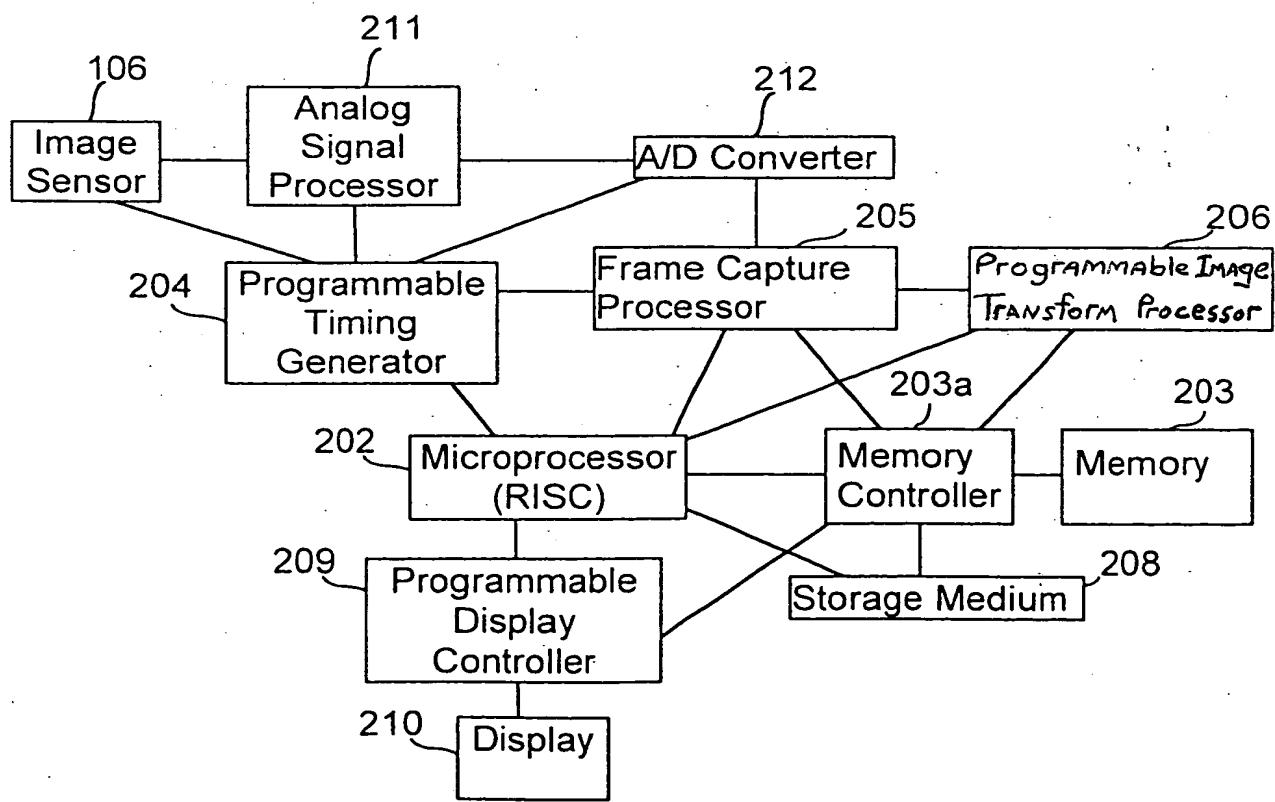


FIG. 2

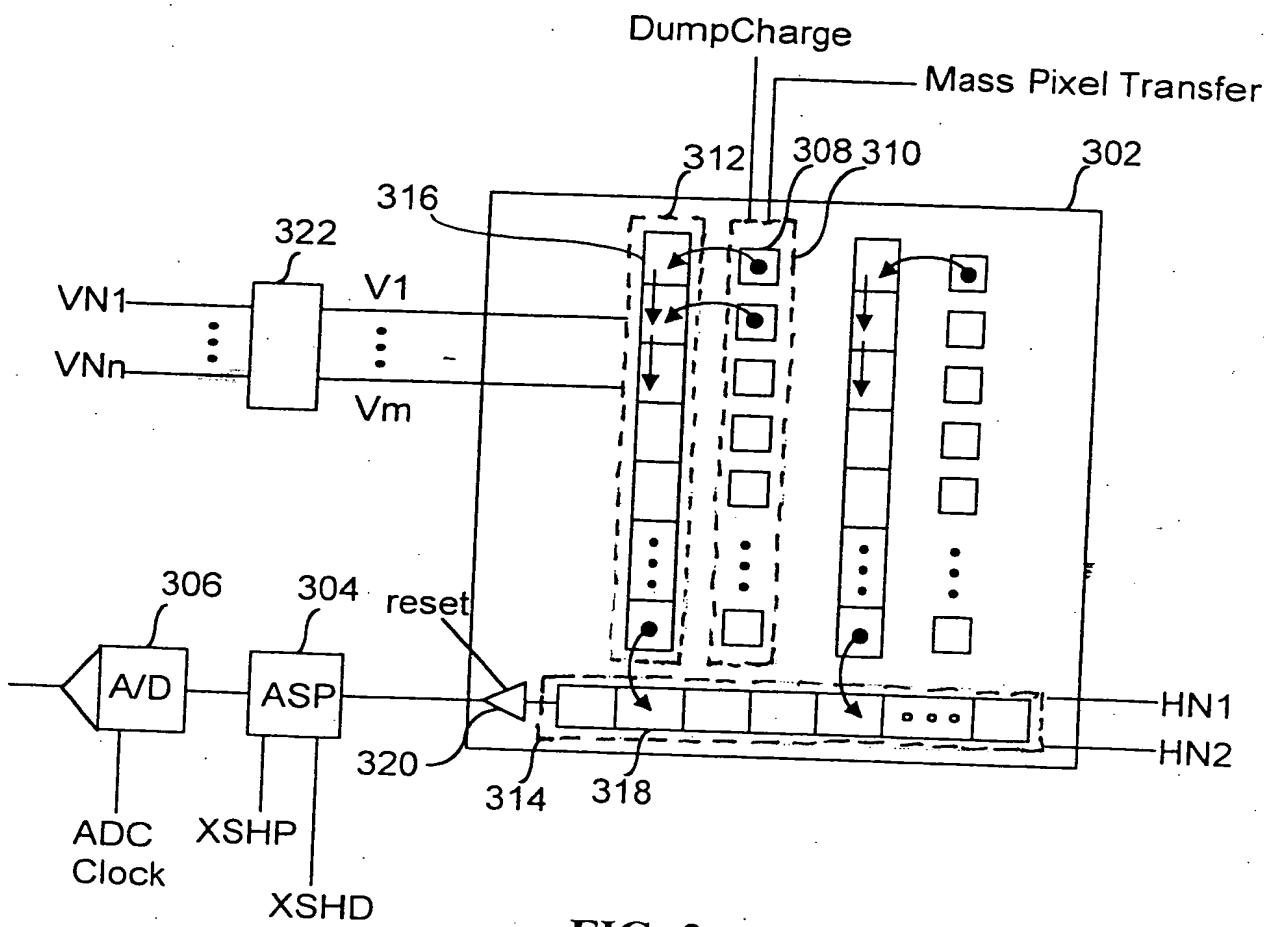


FIG. 3

Programmable
Image Transform
Processor
206

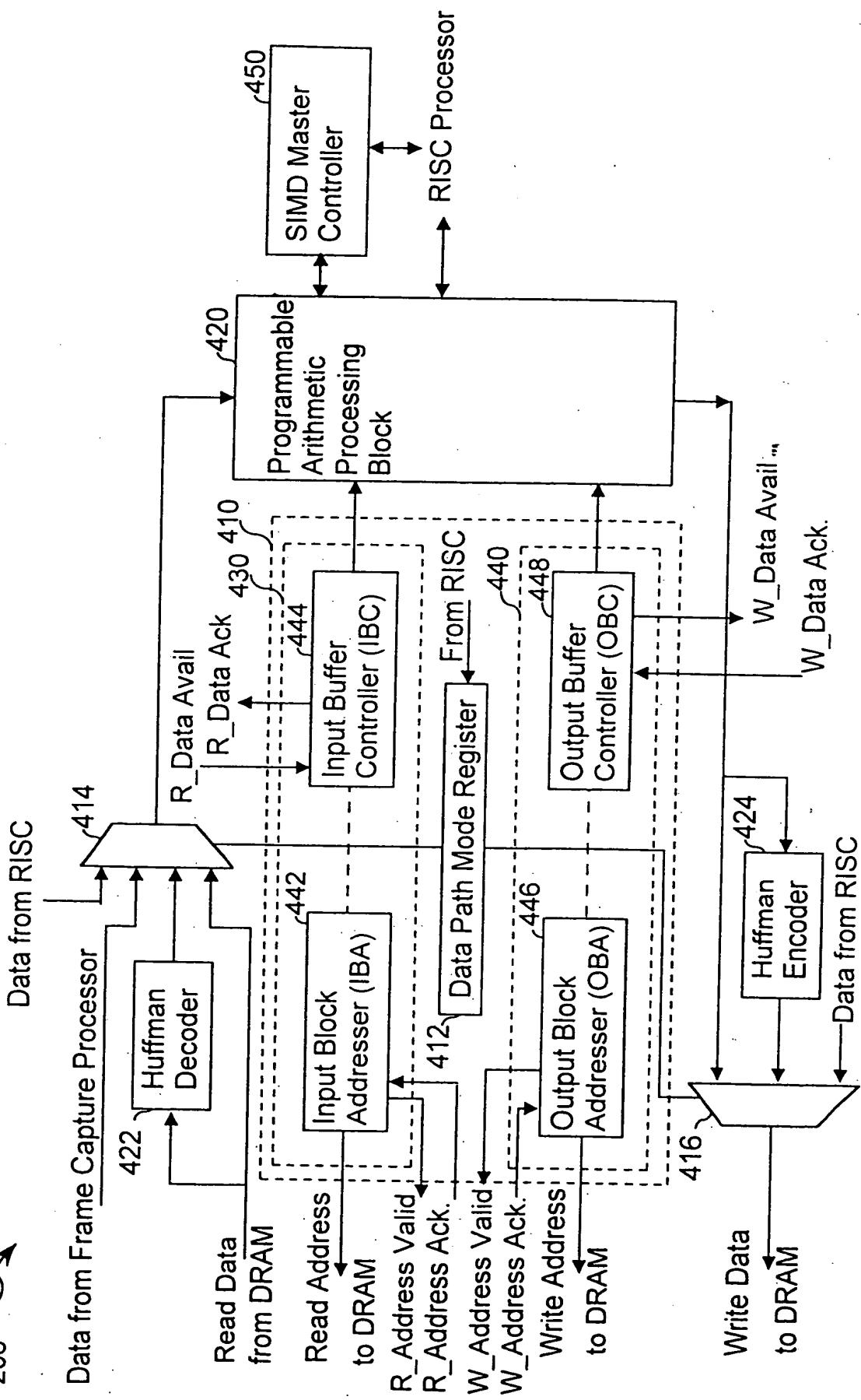
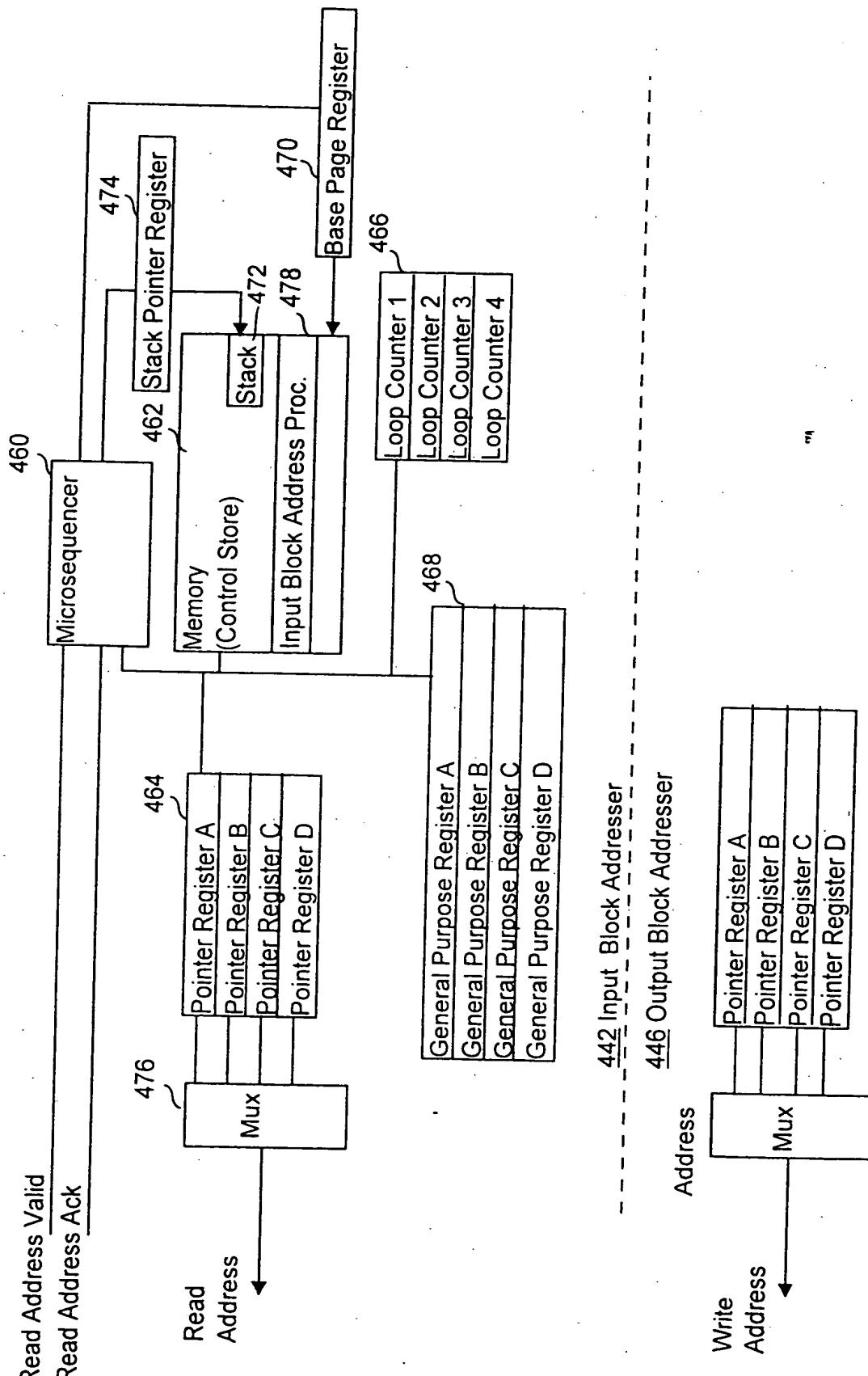


FIG. 4

FIG. 5



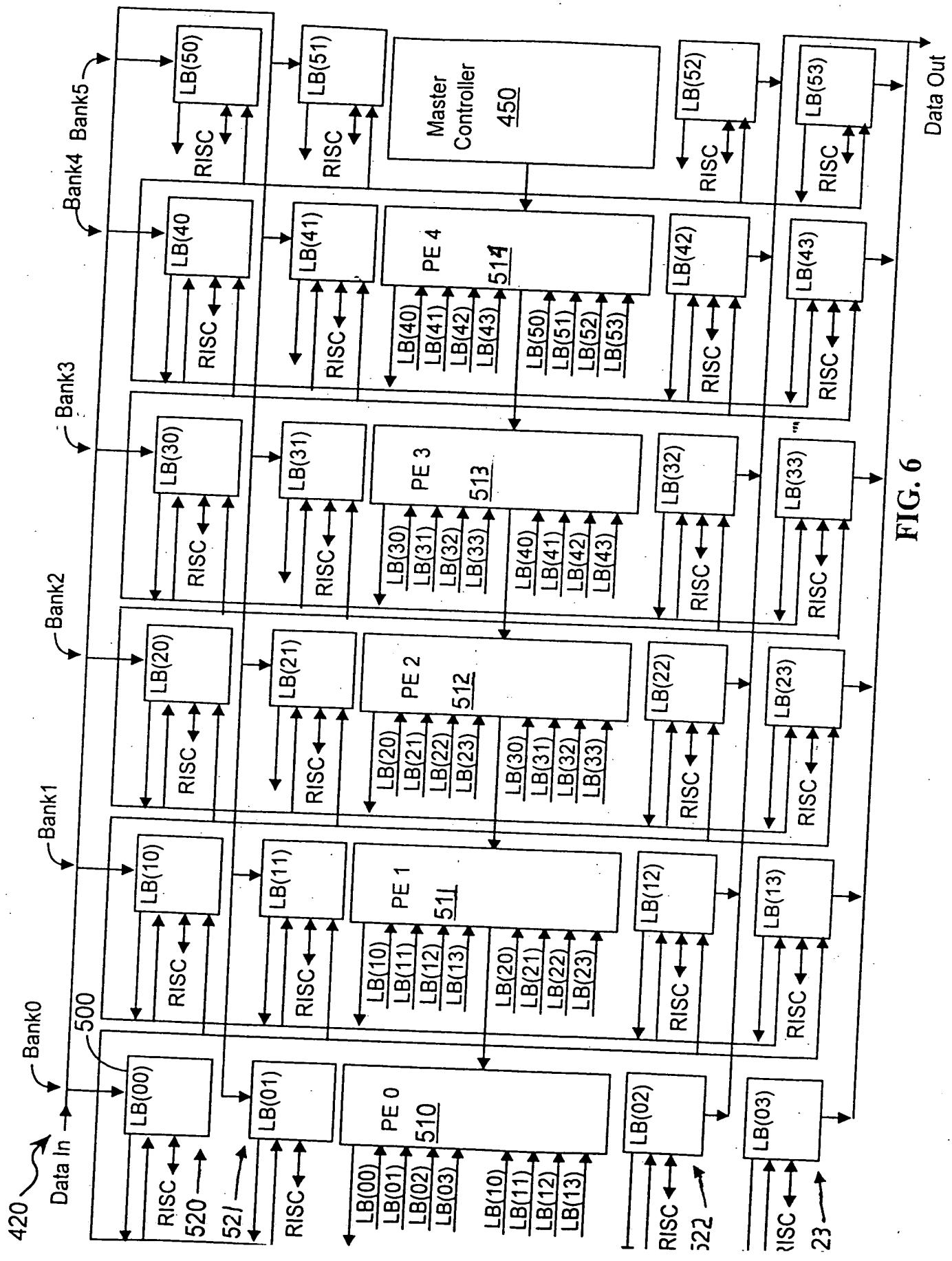
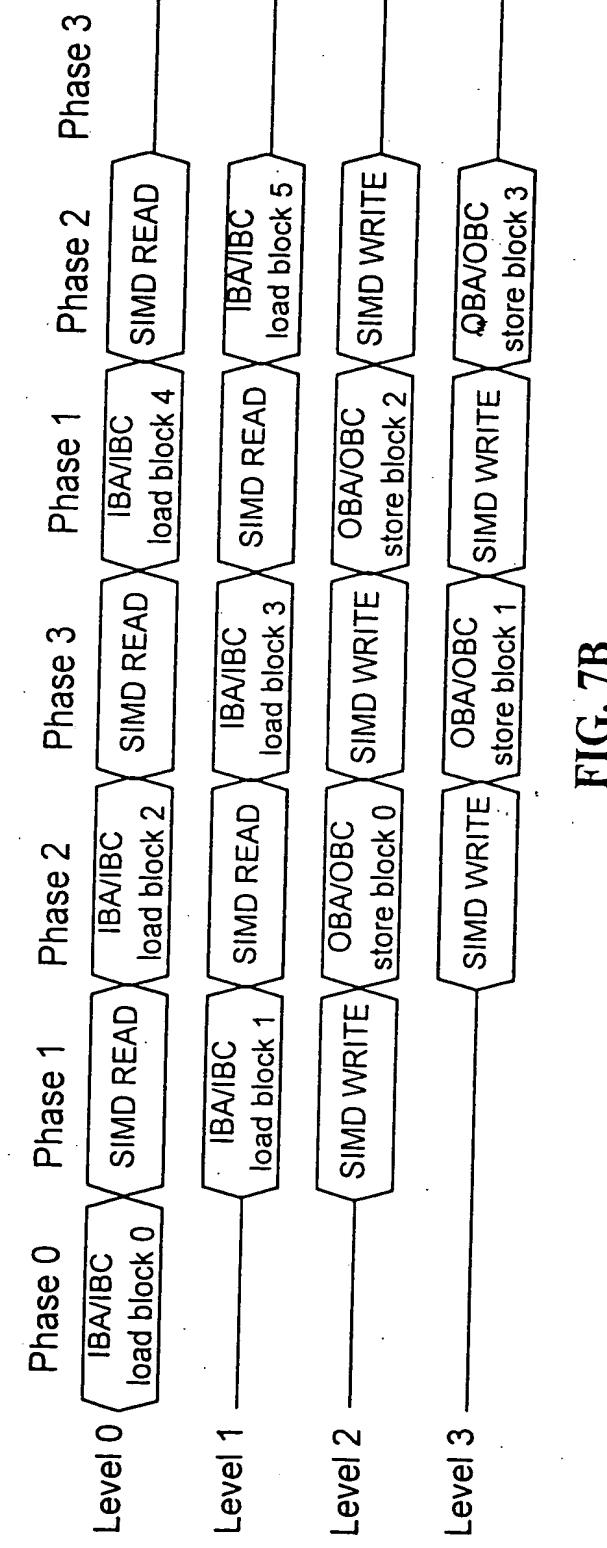
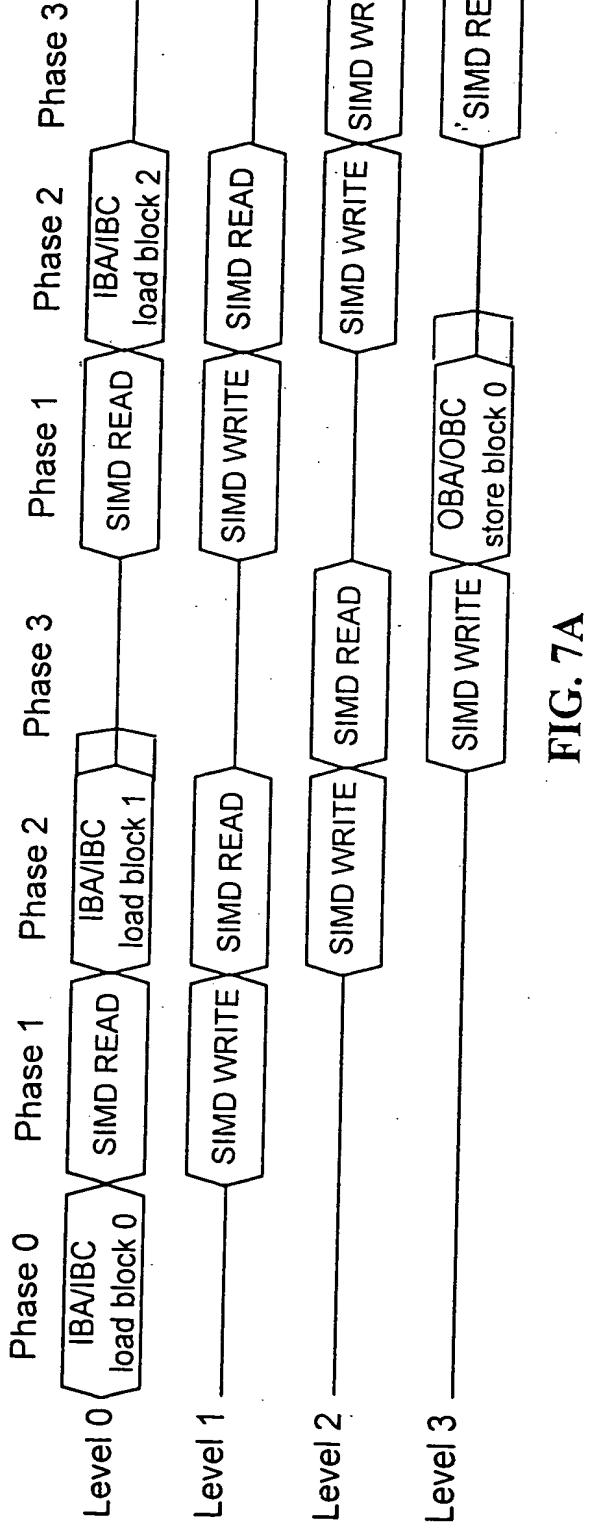


FIG. 6



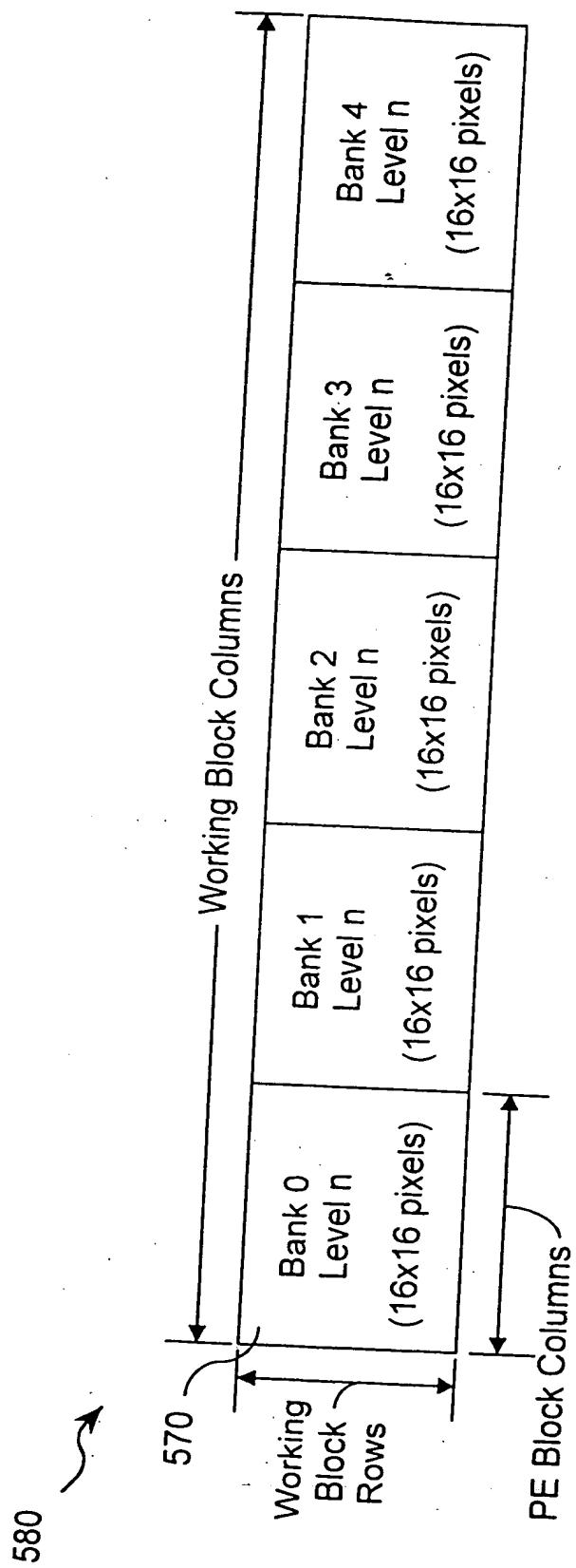


FIG. 8

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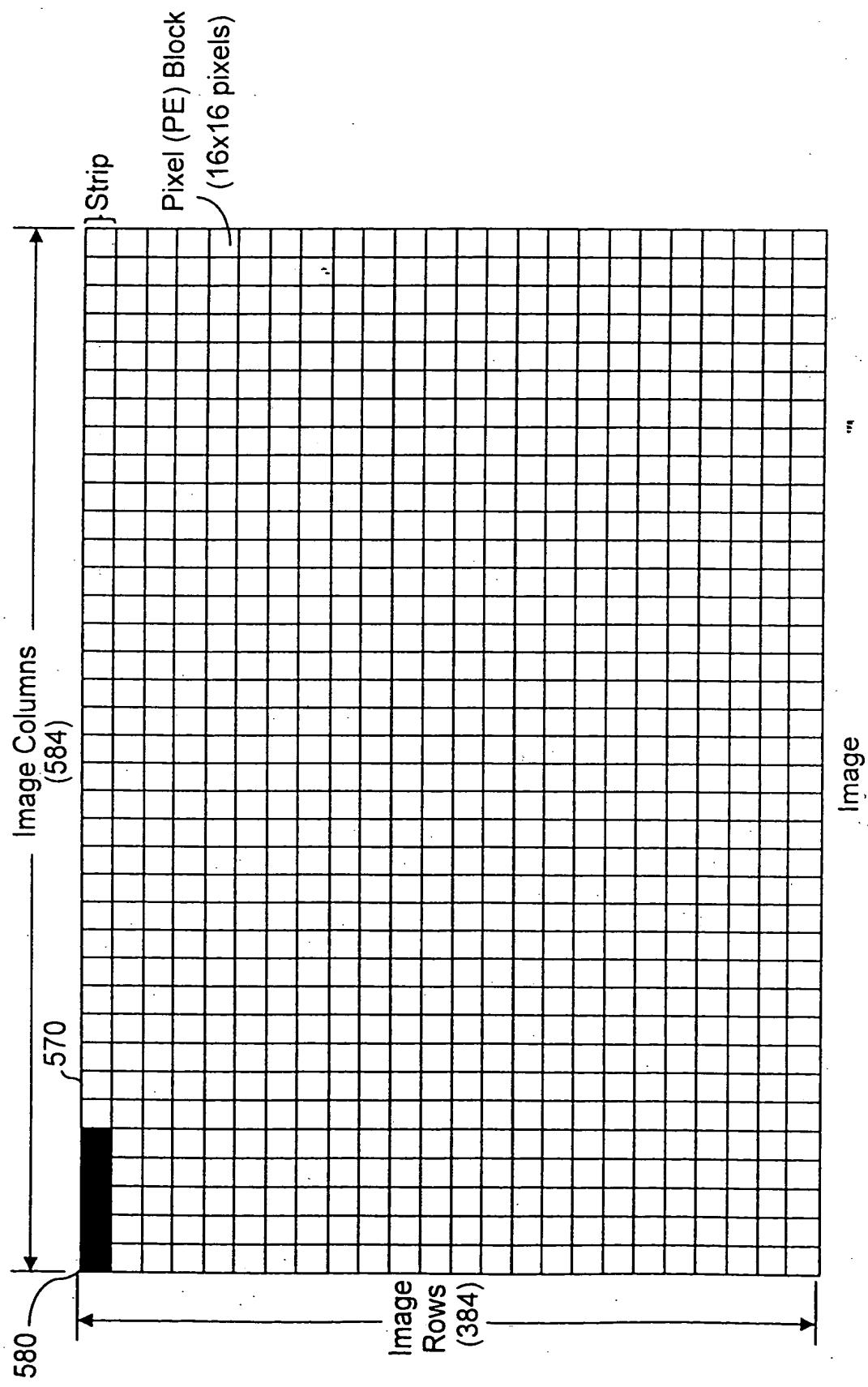
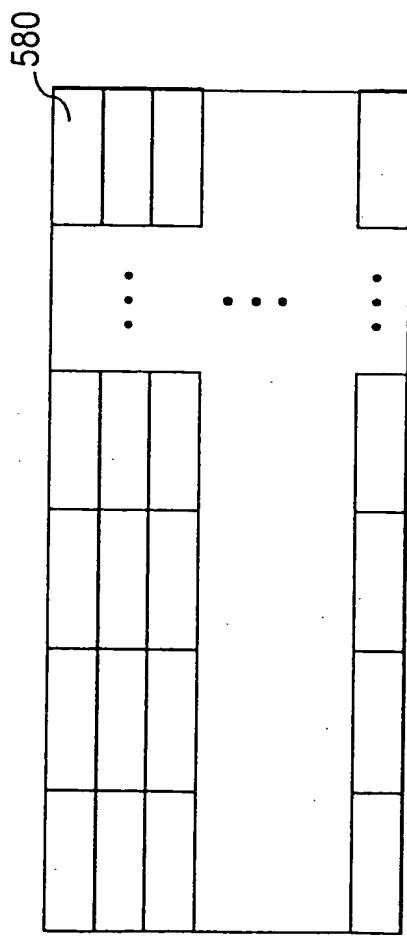
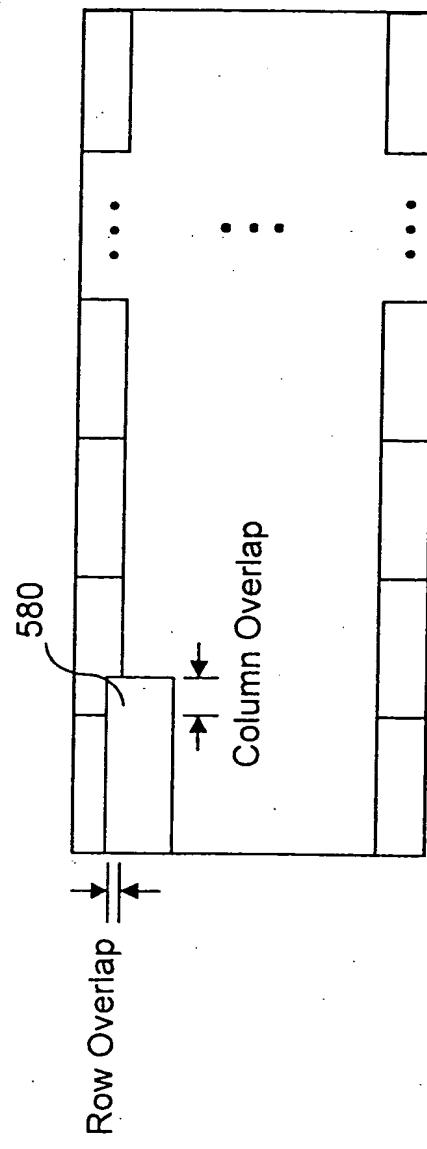


FIG. 9



Working Blocks in Image Data

FIG. 10



Overlapping Working Blocks in Image Data

FIG. 11

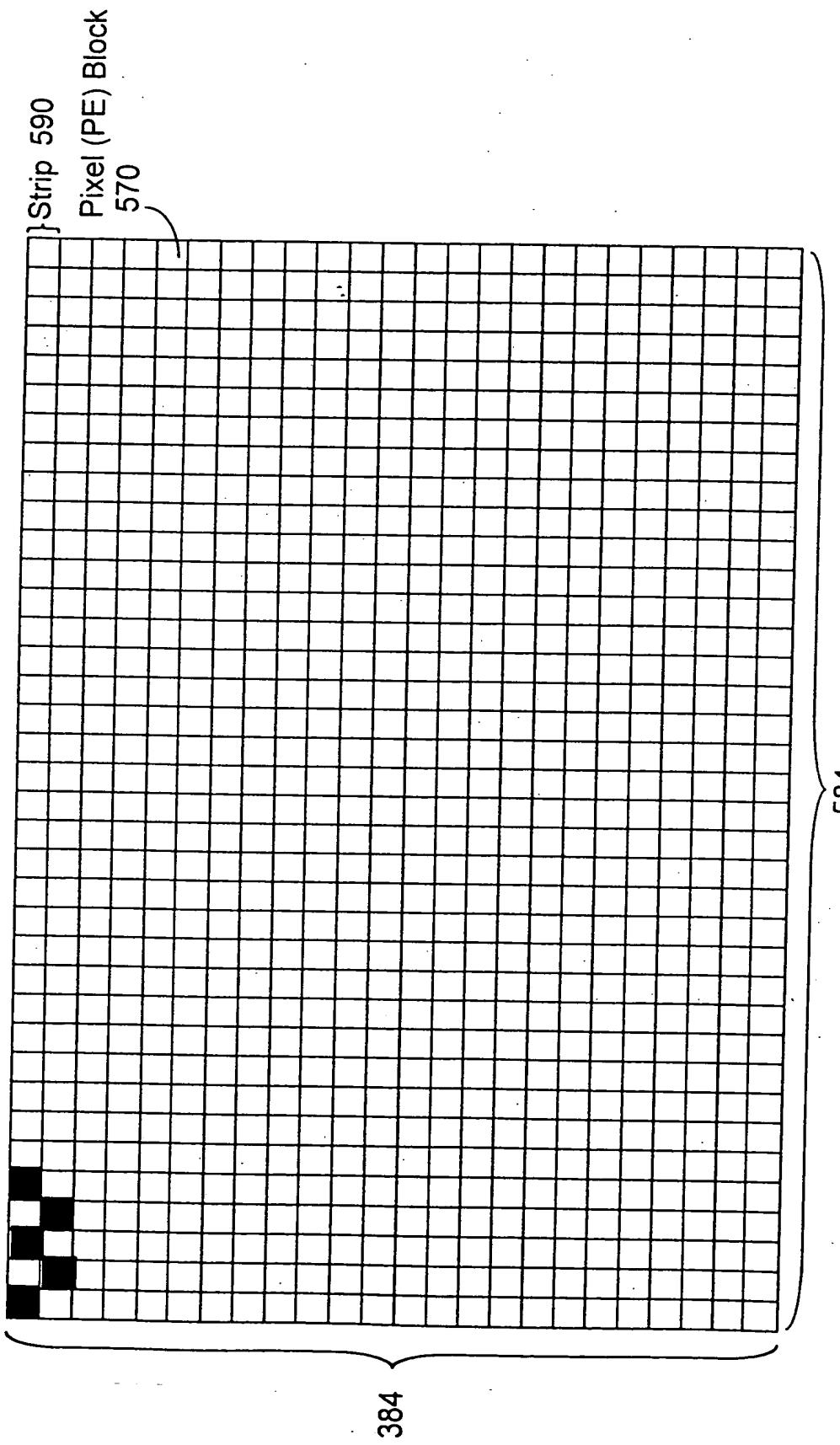


Image and Example of a dispersed processing blocks making up a working block.

FIG. 12A

காலை காலை நினைவு காலை

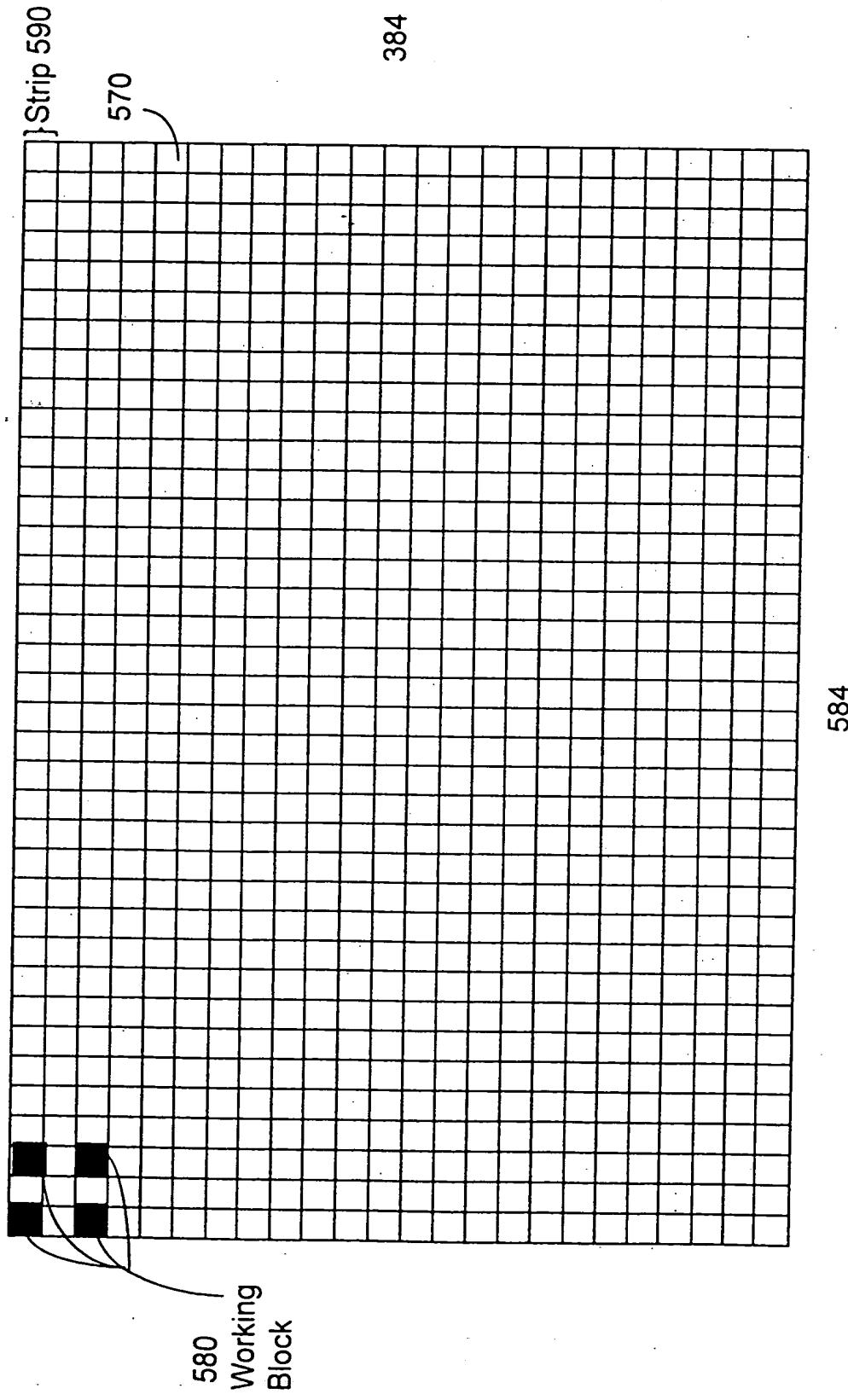


Image and Example of a dispersed processing blocks making up a working block.

FIG. 12B

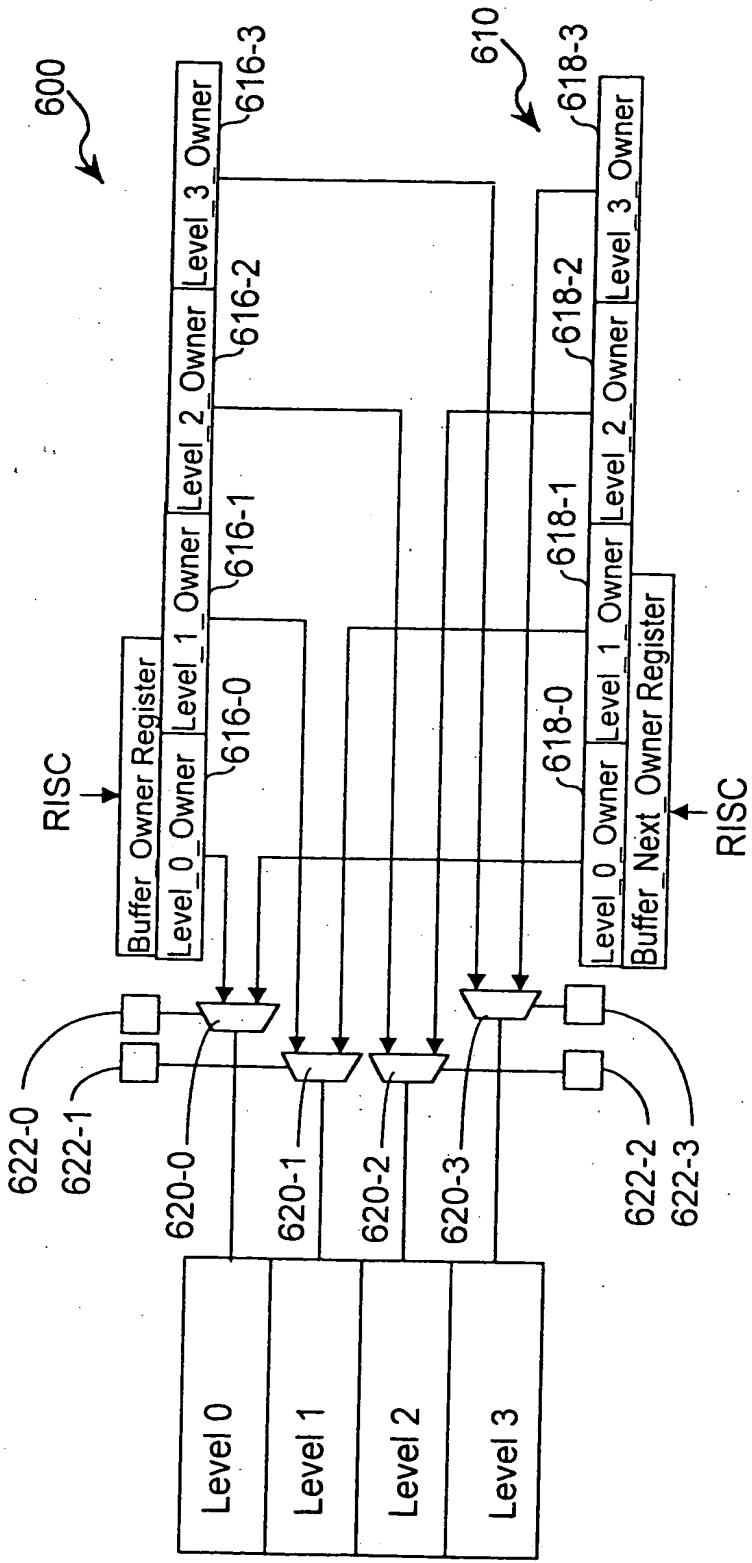


FIG. 13

Input Buffer Controller
444

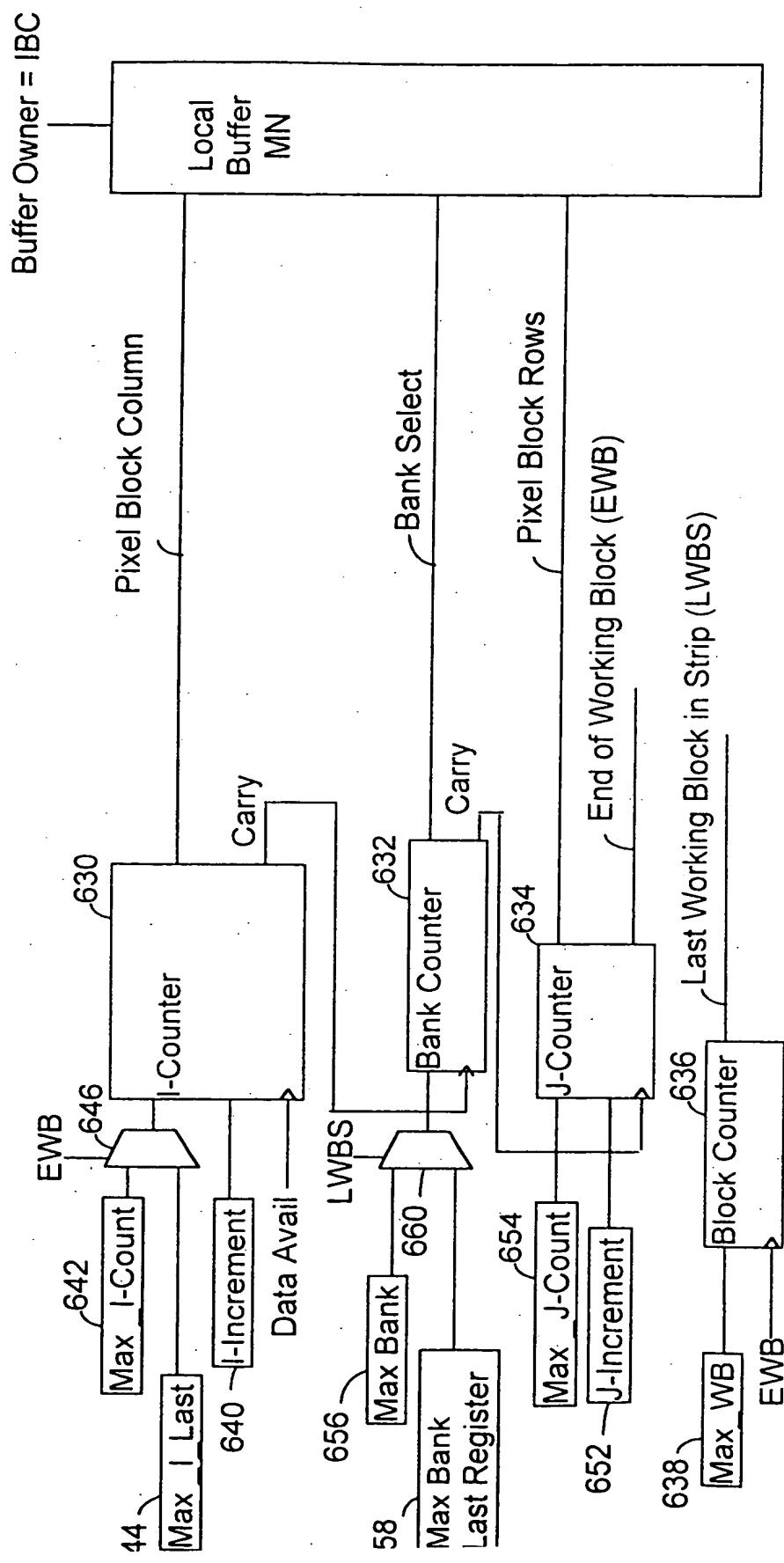
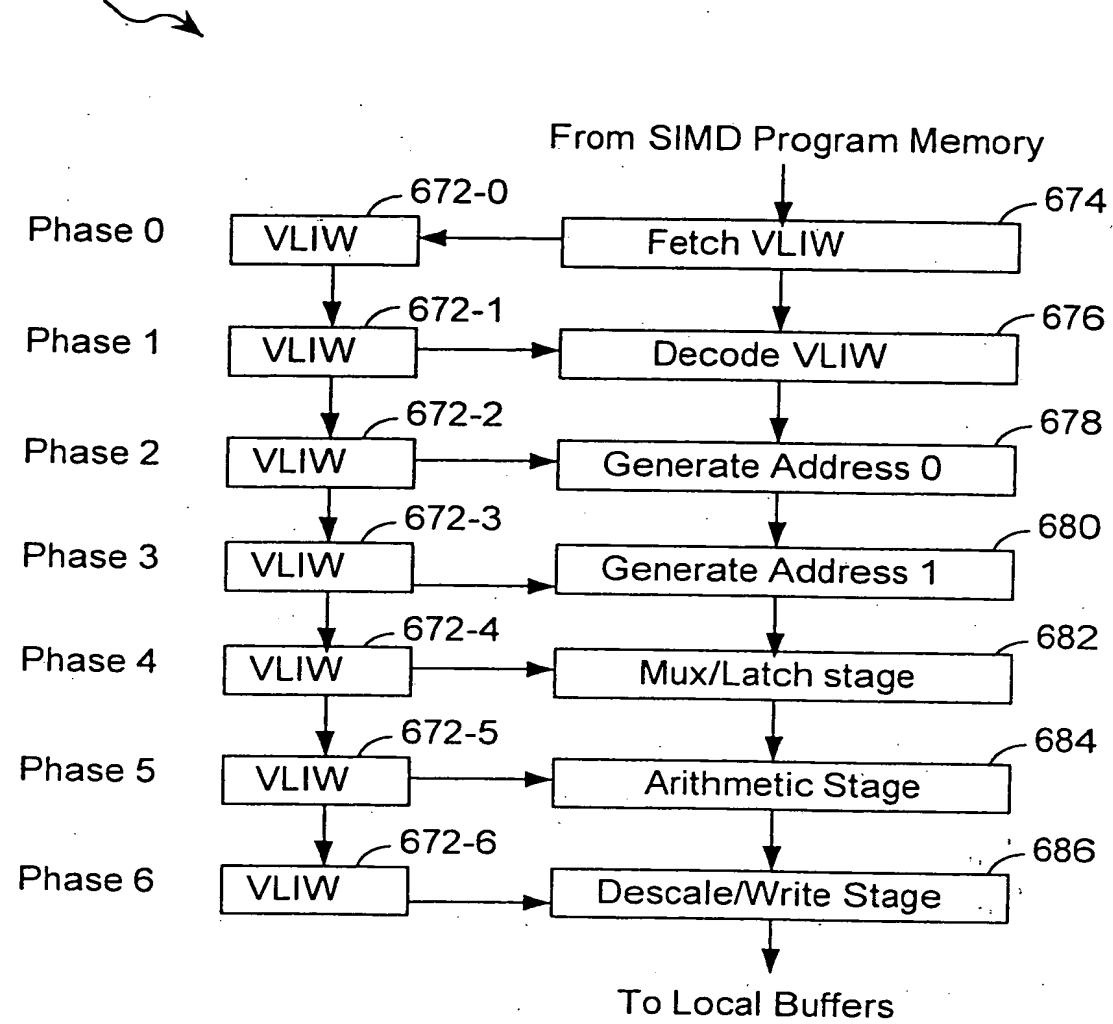


FIG. 14



SIMD Pipeline Stages

FIG. 15

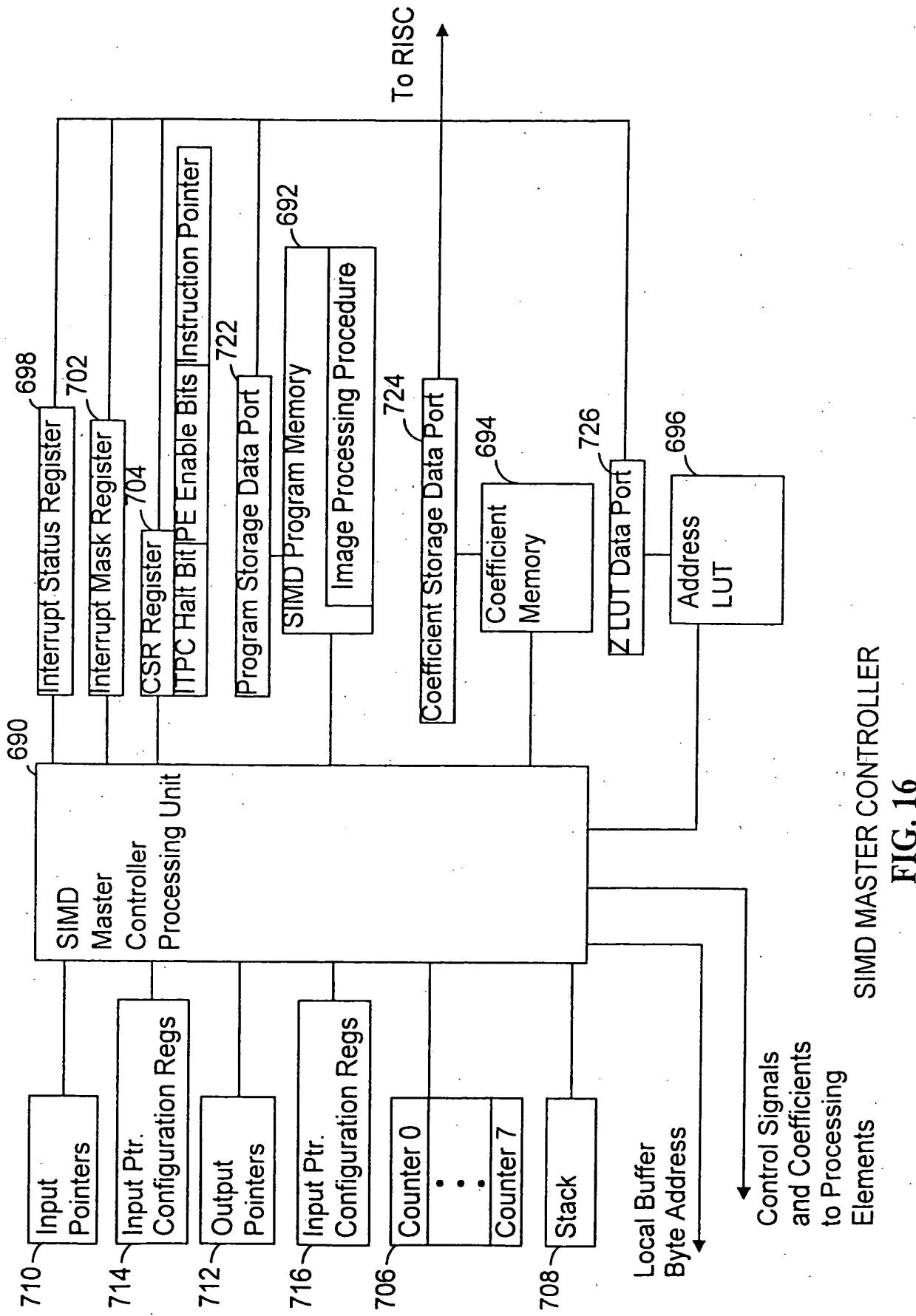
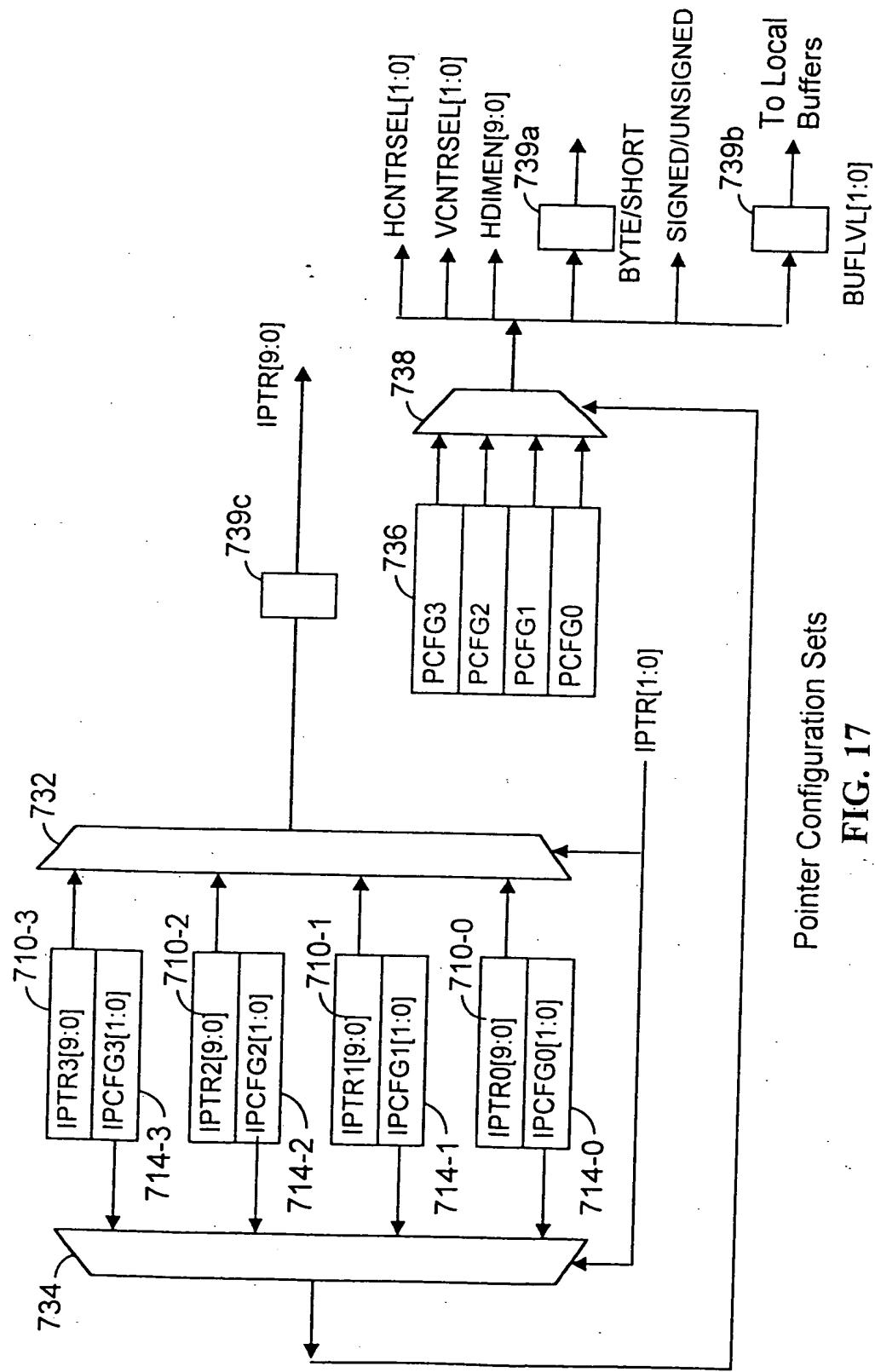
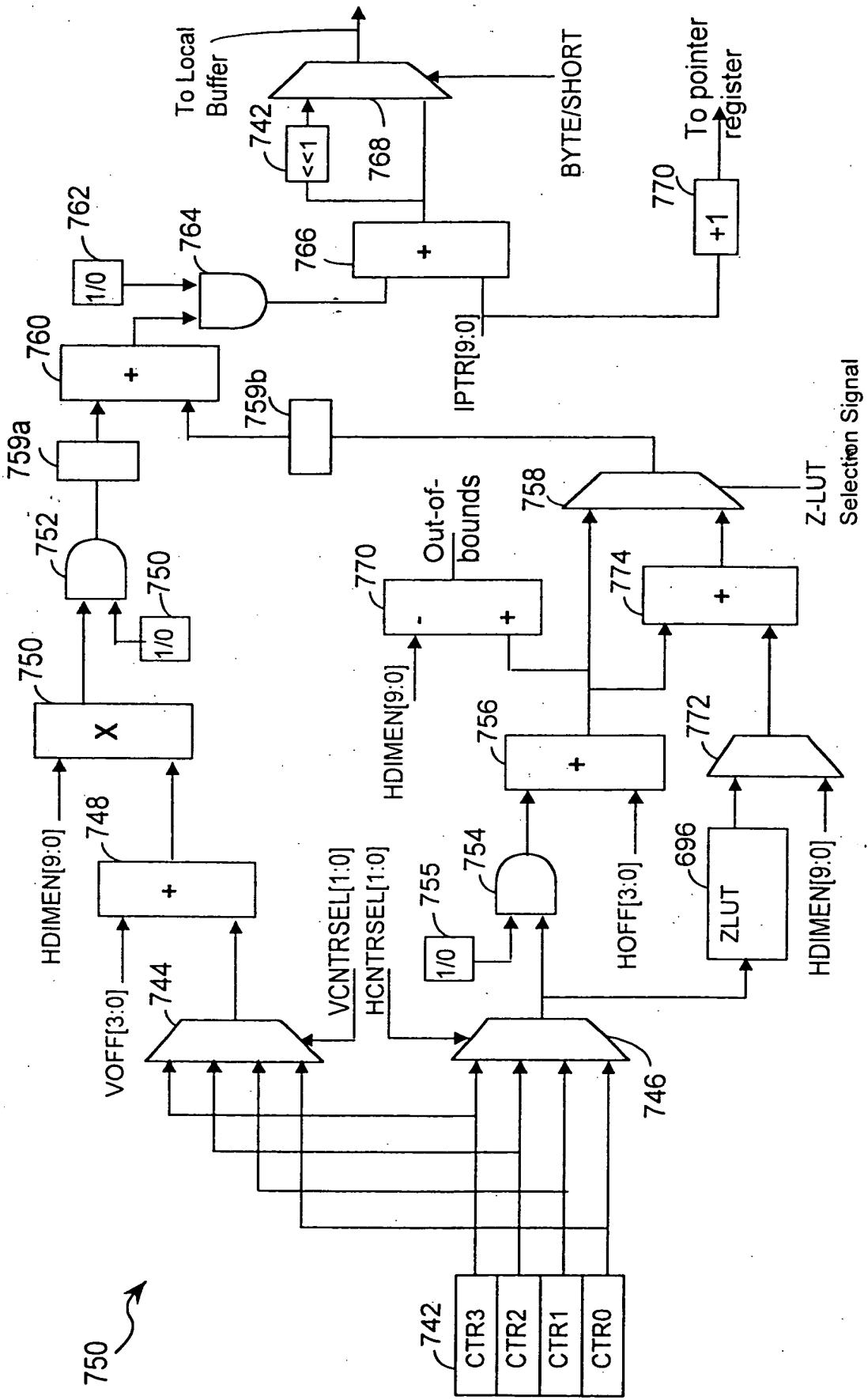


FIG. 16

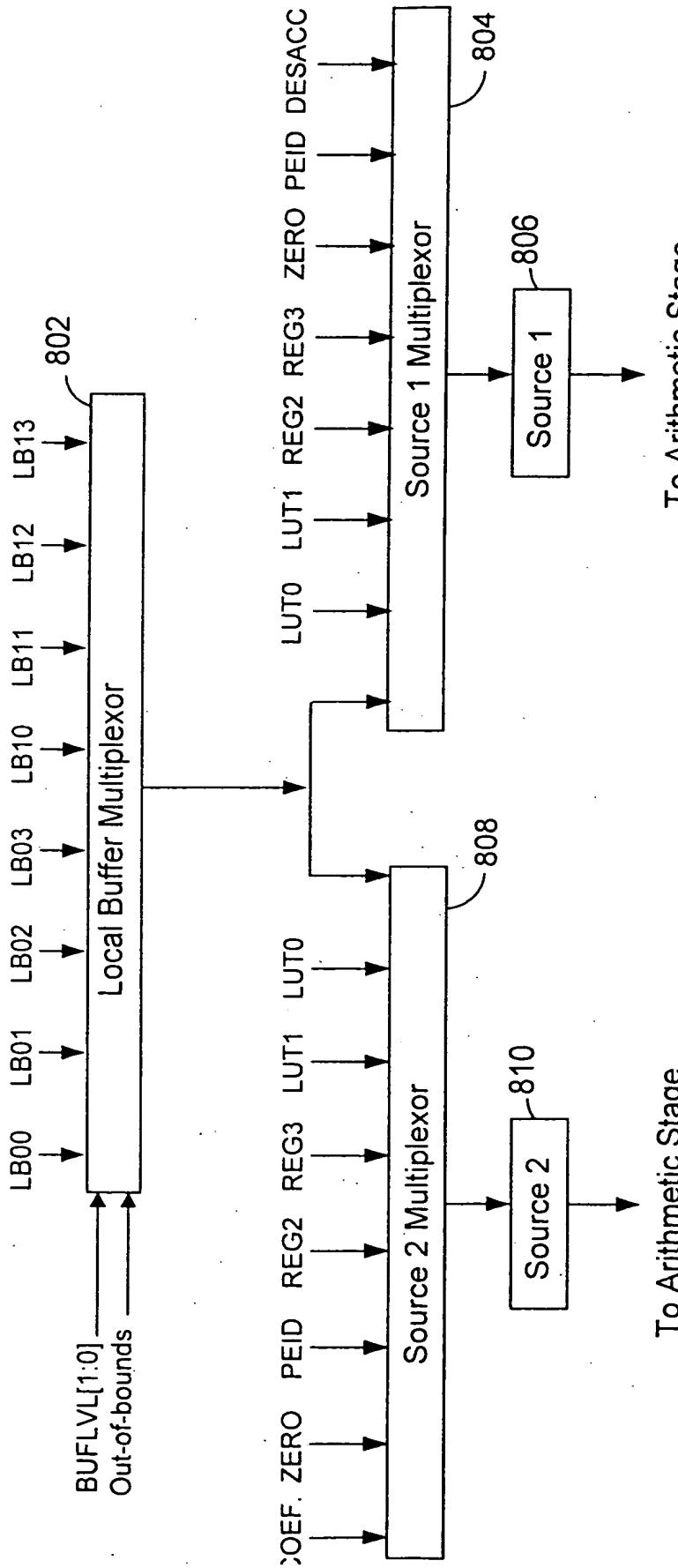
SIMD MASTER CONTROLLER



Pointer Configuration Sets
FIG. 17

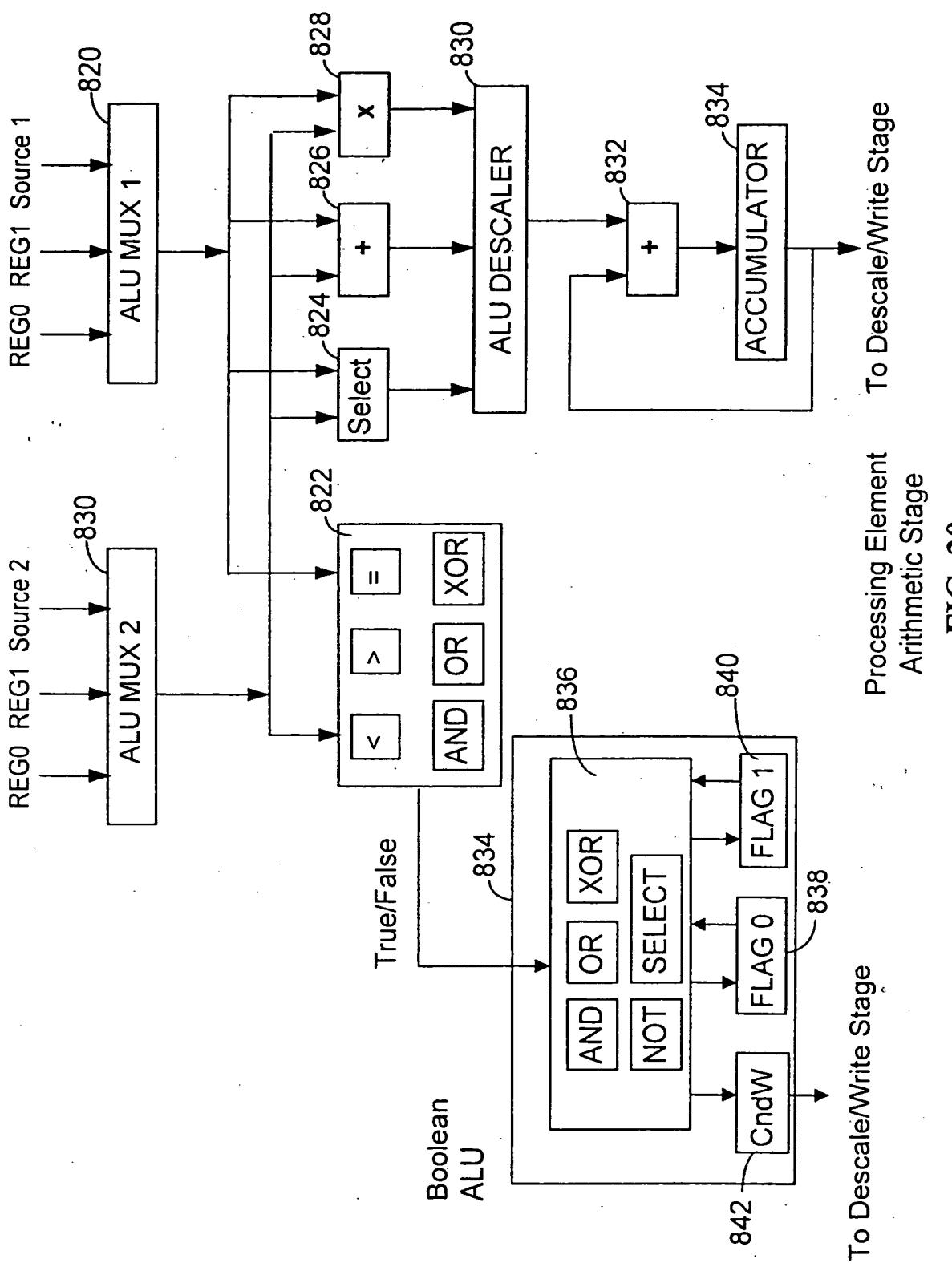


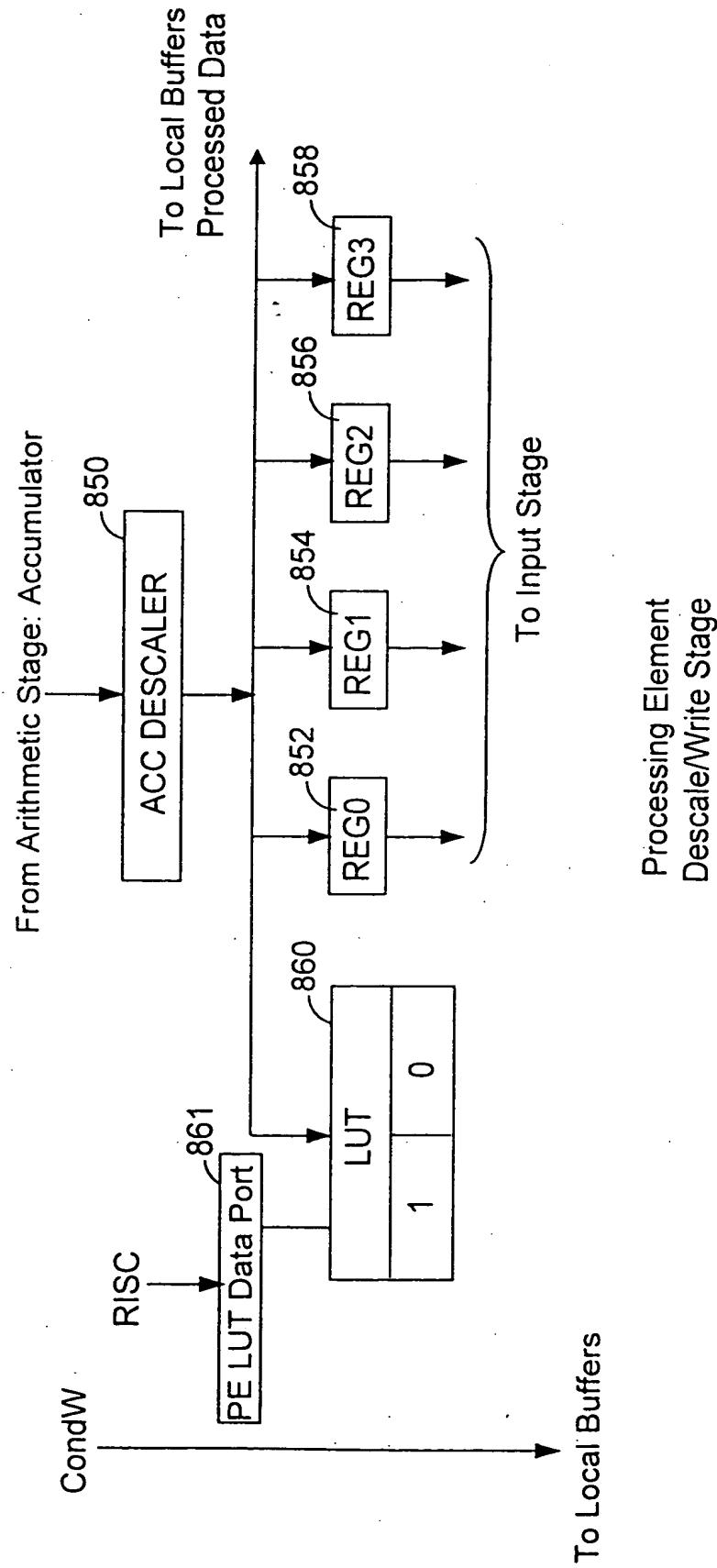
EFFECTIVE ADDRESS GENERATION
FIG. 18



Processing Element
Multiplexor/Latch Stage

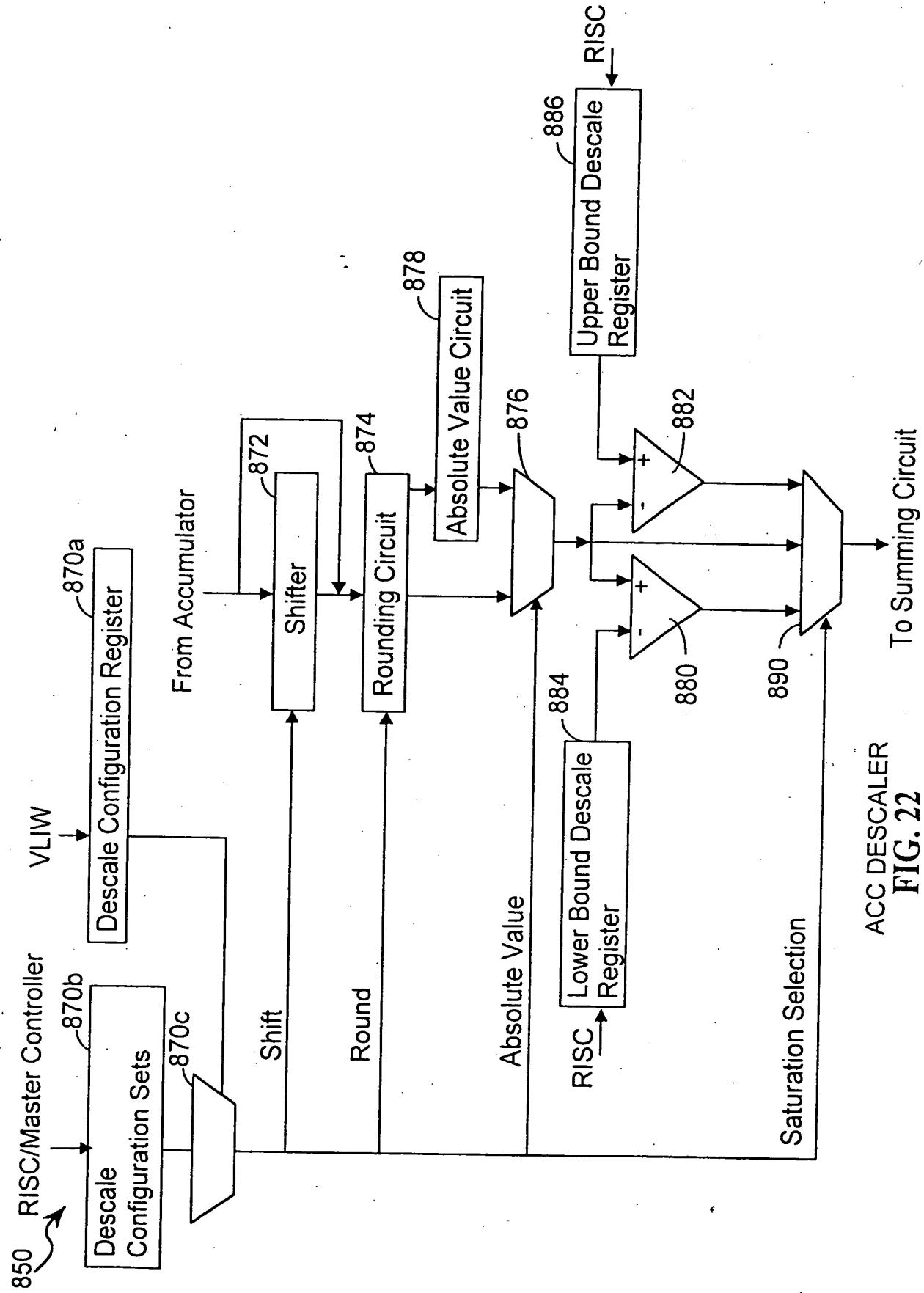
FIG. 19





Processing Element
Descale/Write Stage

FIG. 21



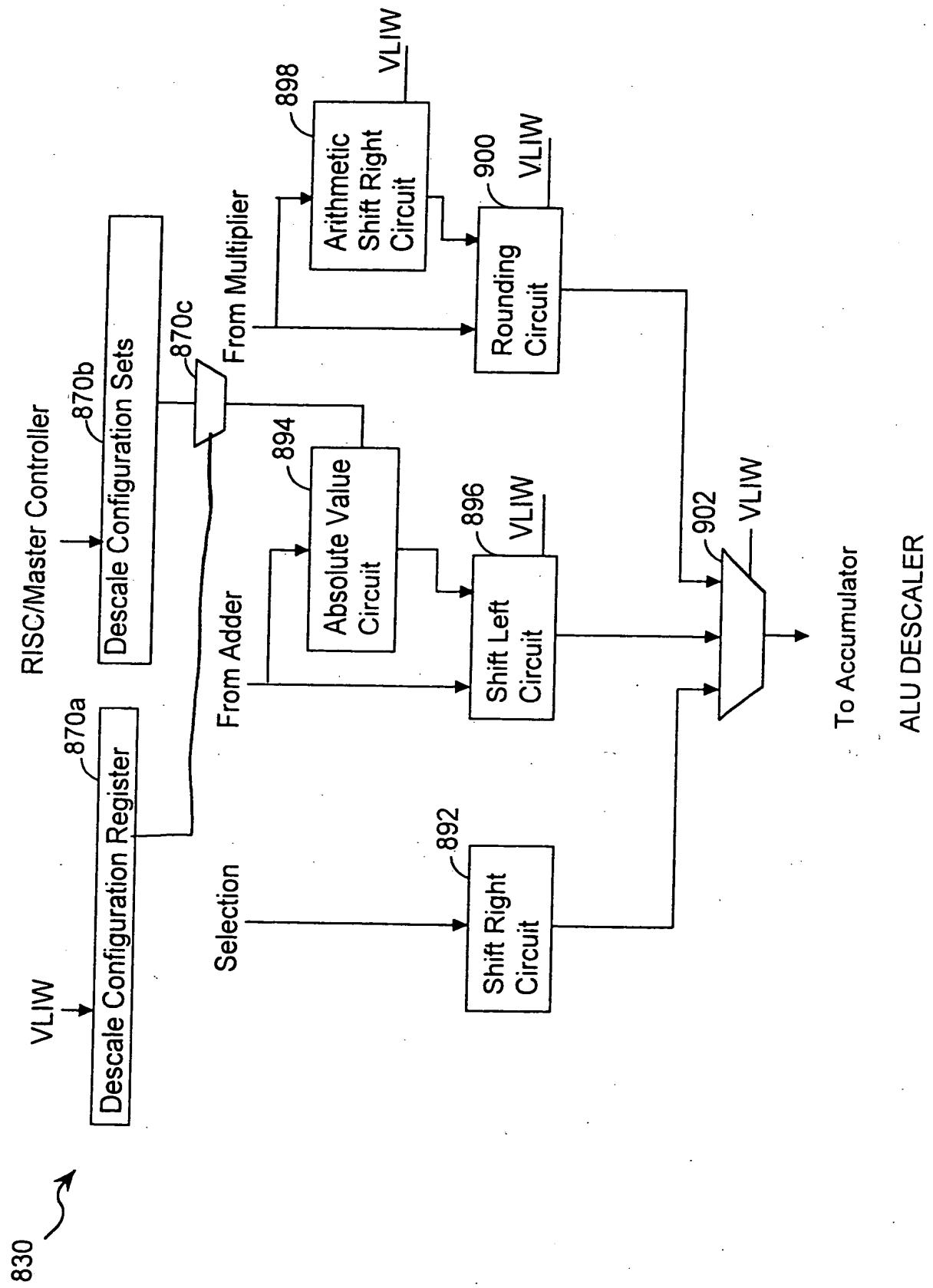


FIG. 23

ALU DESCALER

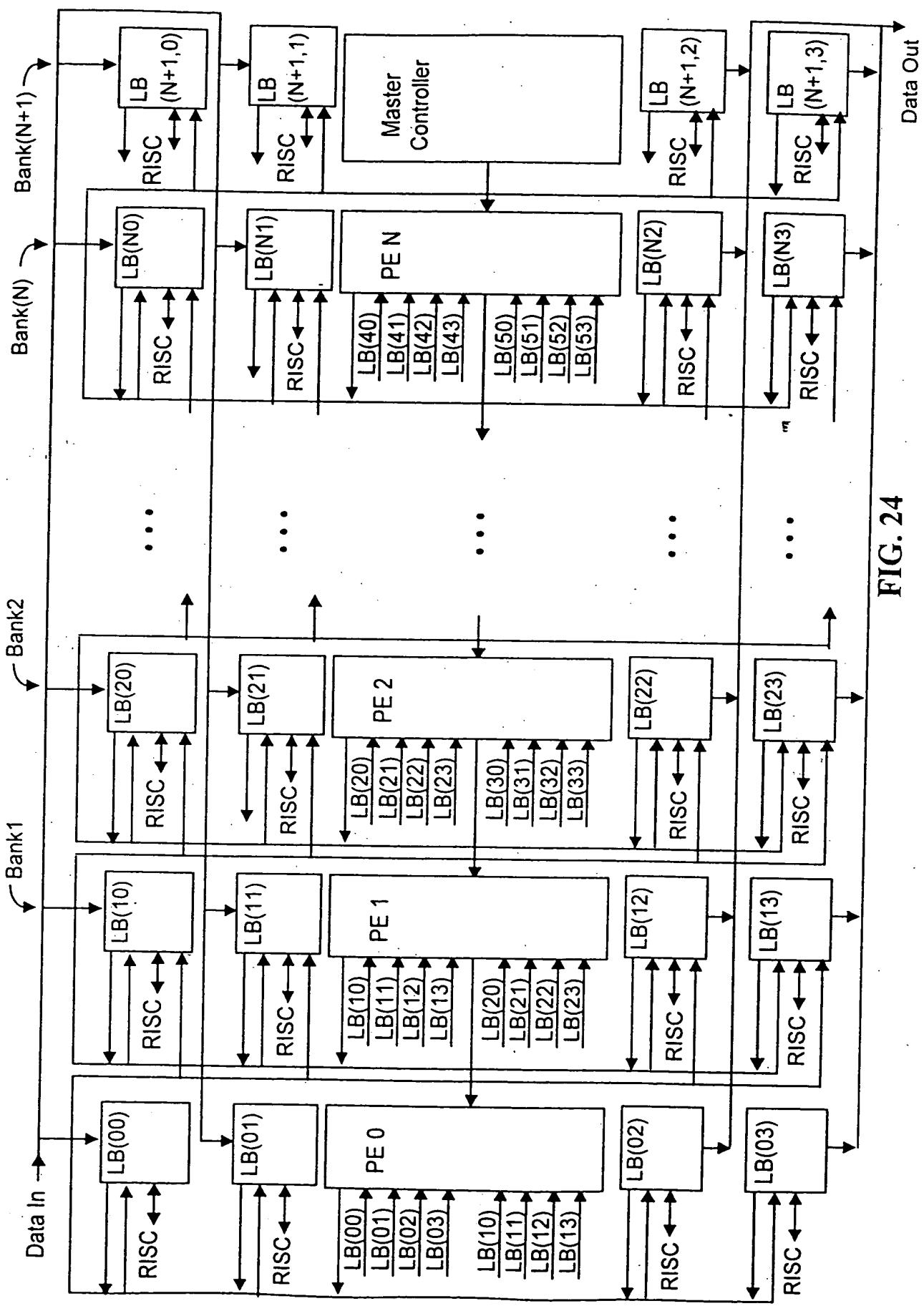


FIG. 24

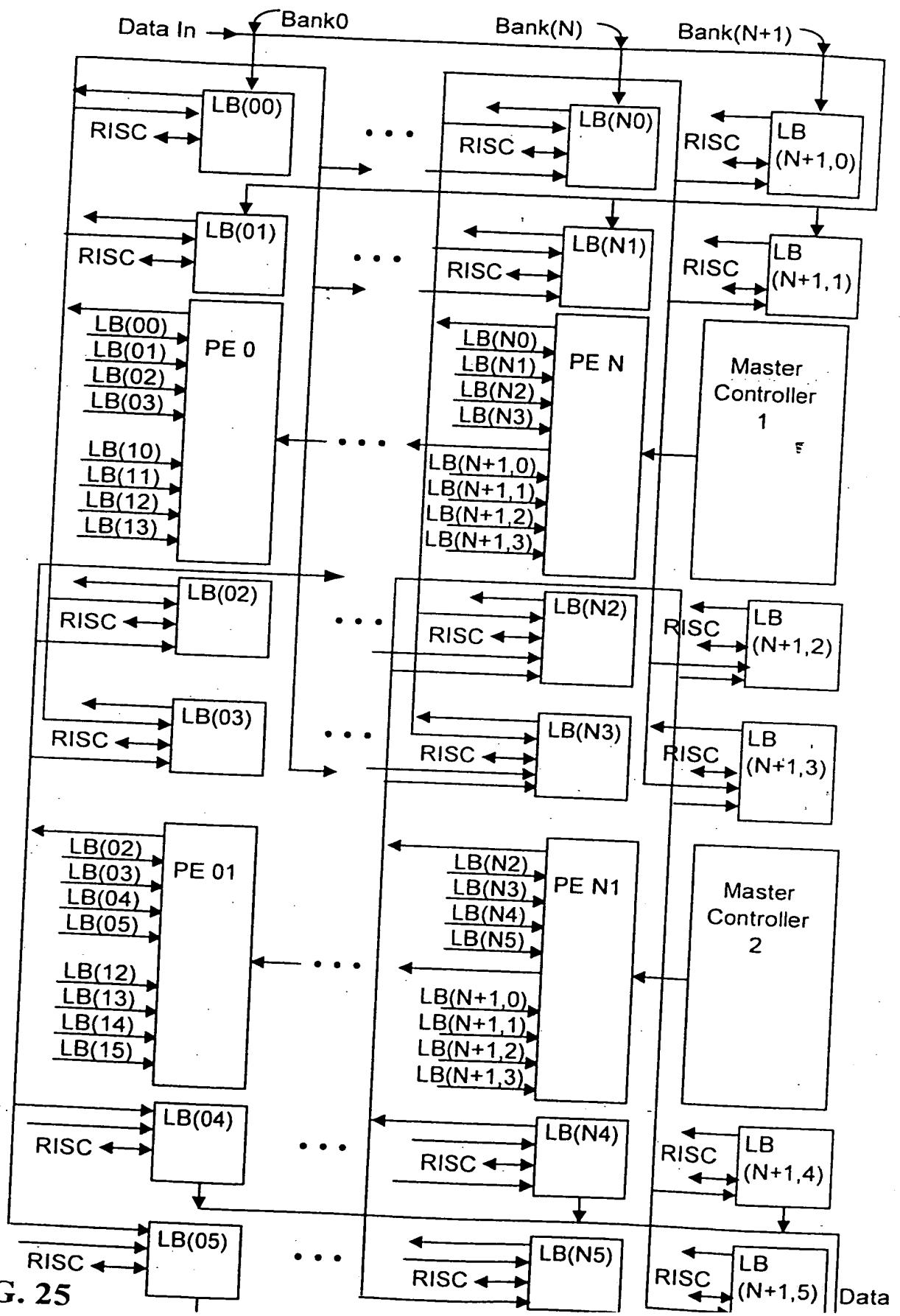


FIG. 25

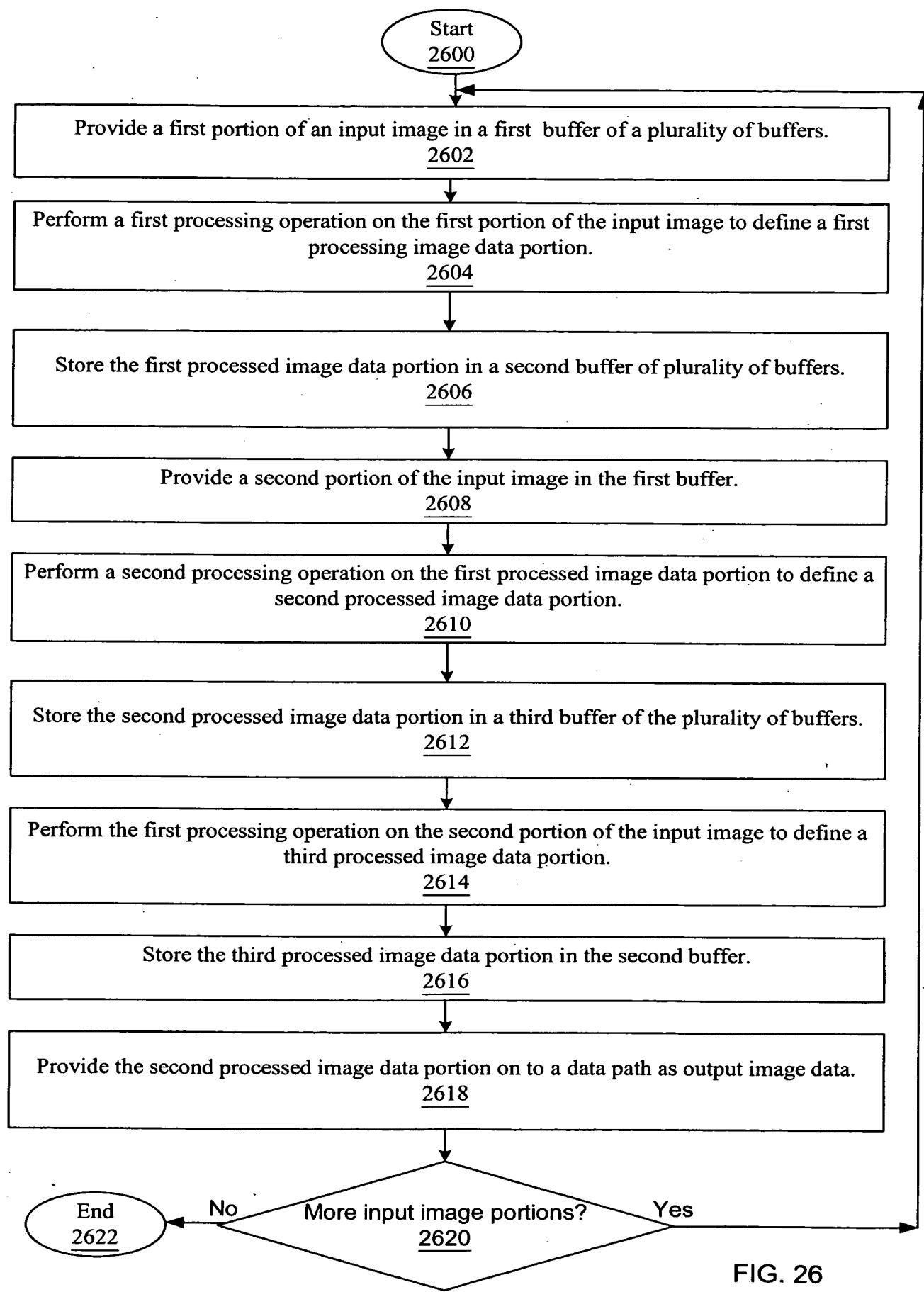


FIG. 26